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P/053/62/000/008/002/004 1004/1242

AUTHORS:

Blinowski, Andreej and Szyszko, Engeniusz

TITLE:

Improved technology of extracting doped single crystals of germanium on a pilot-plant scale

PRATODICAL:

Przegląd Blektroniki, no. 8, 1962, 451-454

TEXT: The purpose of this work was to increase the yield and improve the parameters of crystals obtained by the Cochralistimethod. The stretching should be stopped at a point corresponding to the lower tolerance limit of conductivity. The rest of the charge in the crucible is left for the next stretching operation after addition of the next portion of the charge together with the impurity. In the case of germanium doped with

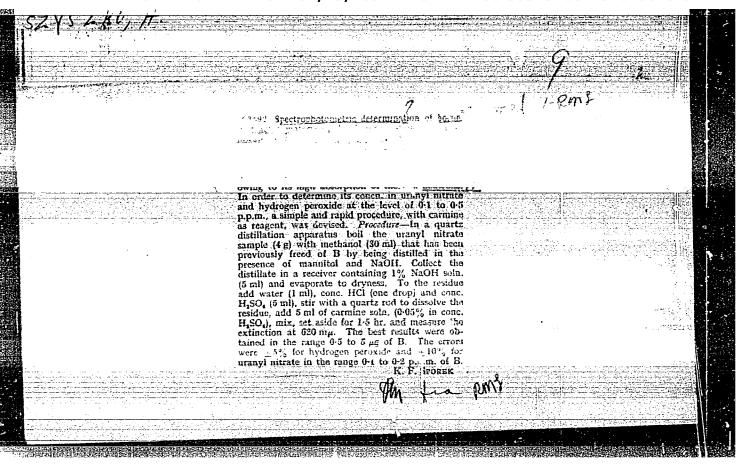
Card 1/3

P/053/62/000/008/002/004 1004/1242

Improved technolo y....

antimony this method increases the yield from 25 to 60%, Multiple replenishment of the charge and impurity does not effect the life time of impurity carriers, dislocation density, or spontaneous crystalization in the course of stretching. The life time of impurity carriers varied between 50 to 200 microseconds while the dislocation density varied between 3x103 to 1.2x10-4 cm-2. In order to obtain low dislocation density crystals the seeds were cut in the [111] direction from single crystals with very low conductivity and subsequently annealed at 900°C in an atmosphere of hydrogen for 4 to 8 hours. The results were not reproducible. Low dislocation-density material was obtained by the so called "lengthening" method which consists of pulling crystals of a small diameter, equal to that of the seed. The density of dislocations is increased by a large diameter of the single crystal,

Card 2/3



SZYSZKO, H.; NOWICKA-JANKOWSKA

Spectrophotometric determination of boron in reagents. II. Determination in ammonium fluoride. p. 969.

CHEMIA ANALITYCZNA. (Komisja Analityczma Polskiej Akademii Nauk i Naczelna Organizacja Techniczna) Warszawa, Poland. Vol. 3, No. 5/6, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959 Uncl.

NOWICKA-JANKOWSKA, Teresa (Mrs); SZYSZKO, Helena (Miss); MINCZEWSKI, Jerzy, prof., dr.

Reactions of rare earth elements with some polyhydroxyflavones. Acta chimica Hung 33 no.2:135-141 162.

1. Institute of Nuclear Research, Warszawa, ul. Koszykowa 75, Poland.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610018-8"

SZYSZKO, Janusz.

Anatomical and pathological studies on internal organs following inhalation of azotniak in mice. Ann. Univ. Lublin; sec. D. 8:321-334 1953.

1. Z Instytutu Medycyny Pracy wsi A.M.w Lublinie. Dyrektor: prof. dr med. Jozef Parnas. Z Zakladu Anatomii Patologicznej Akademii Medycznej w Lublinie. Kierownik: prof. dr med. Stanislaw Mahrburg (FERTILIZERS, effects.

nitrogen compound azotniak, on internal organs after inhalation in mice.)

KUDEJKO, Teresa; KUDEJKO, Jan; SZYSZKO, Janusz; ZELAZOWSKI, Kazimierz

Granuloma gangraenescens. Przegl.derm. Warsz. 47 no.6:469-478
N-D '60.

1. Z Kliniki Dermatologicznej A.M. w Lublinie, Kierownik: prof.
dr Cz. Ryll-Mardzewski. Z Zakladu Anatomii Patologicznej A.M. w
Lublinie, Kierownik: prof. dr S. Mahrburg.
(GRANULOMA in inf & child)
(NOSE dis)

SZYSZKO, Janusz

Endothelioma of peritoneum. Description of two cases. Ann. Univ., Lublin sect.D 16:209-213 '61.

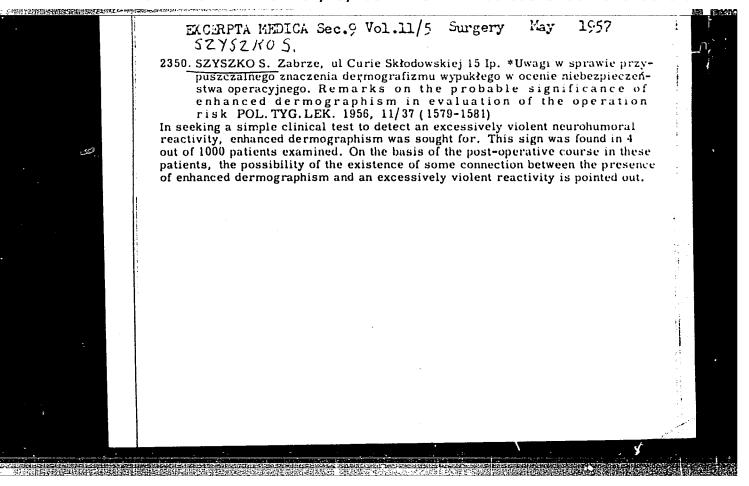
1. Z Katedry i Zakladu Anatomii Patologicznej Wydzialu Lekarskiego Akademii Medycznej w Lublinie Kierownik: prof. dr med. Stanislaw Mahrburg. (MESOTHELIOMA) (PERITONEAL NEOPLASMS)

# Excerpta Medica 3/4 sec 16 Apr 55 Cancer

1308. SZYSZKO S. and PLEWINSKI G. 1. Klin. Chir. Slaskiej Akad. med., Zabrze. Wartose rozpoznawcza próby Bolena Bolen's test Pol. Tyg. lek. 1954, 9/32 (1002–1003) Tables 2

Bolen's test was carried out in 102 confirmed cancer cases and in 337 non-cancer cases. In the first group there were 37% false negatives, while 23.7% false positives were seen in the 2nd group. In 36 women during the last months of pregnancy, or shortly after delivery, 27.8% false positives were found. A parallelism with the blood sedimentationrate could not be observed. Bolen's test is of very limited diagnostic value.

Szyszko – Zabrze



SZYSZKO, Stanislaw

Correlation between surgical and chemical forms of treatment of pulmonary tuberculosis. Polski tygod. lek. 11 no.6:257-259 6 Feb 56.

1. (Z I Kliniki Chirurgicznej Slaskiej A. M.; Kierownik: doc. dr. Stanislaw Szyszko) Zabrze, I Kl. Chirurg. Sl. Ak. Med.

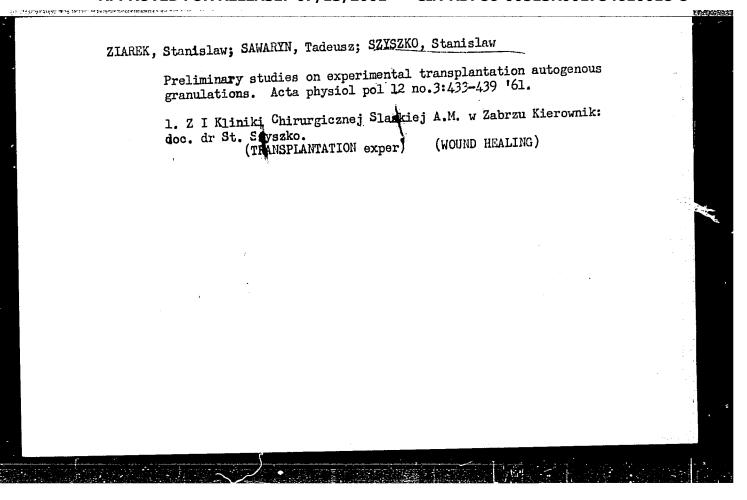
(TUBERCULOSIS, PULMONARY, therapy, chemother. with surg. (Pol))

SZYSZKO, Stanislaw; PALIWODA, Tadeusz

Methods facilitating open heart surgery. Polski tygod. lek. 12 no.51:
1974-1983 23 Dec 57.

1. Z I Kliniki Chirurgicznej Slaskiej Akademii Medycznej w Zabrzu;
kierownik kliniki: doc. dr med. Stanislaw Szyszko. Adres: Zabrze, ul.
Curie- Sklodowskiej 10 I Klin. Chir. Sl. A.M.

(HEART, artificial,
review (Pol))



### SZYSZKO, Stanislaw; ZIAREK, Stanislaw

Experimental increase of portal blood oxidation by means of injecting gaseous oxygen into the splenic mucosa. Polski tygod. lek. 16 nc.36: 1381-1383 4 S <sup>1</sup>61.

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(OXYGEN blood) (PORTAL VEINS physiol)
(SPLEEN physiol)

Tadeusz FALIWODA, First Surgical Clinic of Silesian College of Medicine (I Klinika Chirurgiczna Slaskiej AM), Head Prof Dr Stanislaw SZYSZKO,

"Congenital Aplasis of Fulmonary Artery."

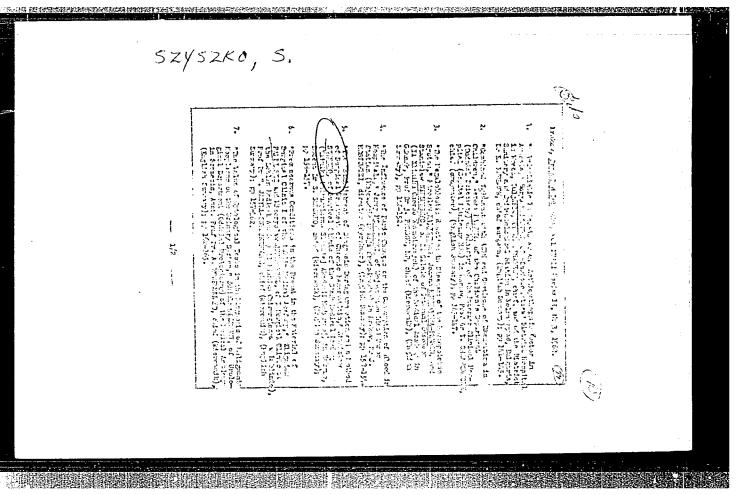
Warsaw, Polski Tygodnik Lekarski, Vol 17, No 46, 12 Nov 1962; pp 1792-1794.

Abstract [English summary modified]: Tetralogy of Fallot diagnosed in 7-year-old boy; severe functional circulatory impairment, constant cyanosis; operation revealed agencsis of pulmonary artery in addition to other defects; 3 Gm. of talcum put into pleural cavities to induce adhesion; such improvement in 2 years observation. Diagram of lesion, 1 British and 1 Polish reference.

1/1

Zabrze.

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610018-8



SZYSZKO, Scantolaw; POBSOVOLSKI, Josef; FUDALSKI, Jozef

Functional restoration of the lung following traumatic rupture of the main bronchus treated surgically. Pol. typ. 1ek. 19 no.32:1245-1246 10 Ag 164.

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SZYSZKO, Stanislaw; GORKA, Zygmunt; CZYLFYSKI, hazimierz

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DOBROWOLSKI, Jozef; GLONACKA, Roza; SZYSZKO, Stanislaw

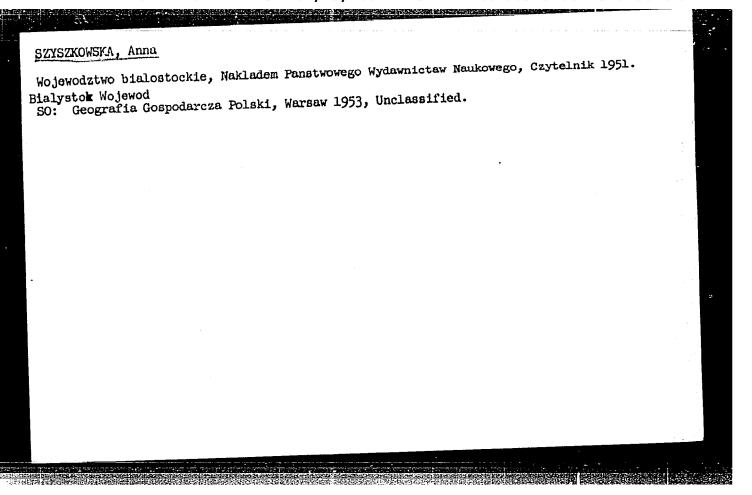
Unilateral clear lung syndrome. Gruzlica 33 no.11:1225-1230

N \* 65.

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i Zakladu Radiologii Slaukiej AM v Zahrau (pelniacy obowiazki

i Kierowniki doc. dr. med. B. Romanovski).



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SZYSZKOWSKA, A. [author]; TIMASHEV, A.K. [reviewer].

"Blalystock Voivodeship" [in Polish]. A.Szyszkowska. Reviewed by A.K.

"Blalystock Voivodeship" [in Polish]. A.Szyszkowska. Reviewed by A.K.

(MEA 6:9)

Timashev. Isv.AN SSSR Ser.geog, no.3:71-73 My-Je '53. (MEA 6:9)

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TETER, Jerzy; SZYSZKOWSKA, Izabella; PRZEZDZIECKI, Zdzislaw

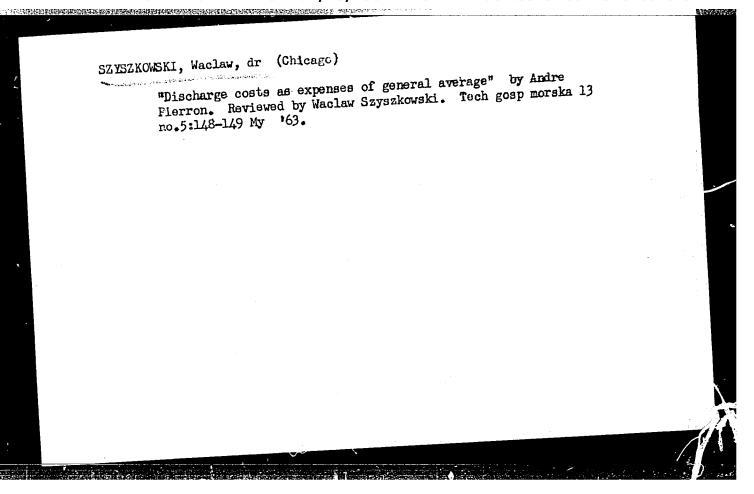
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TETER, Jerzy; SZYSZKOWSKA, Izabela; WECEWICZ, Grazyna

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WALUKIEWICZ, Janina; SZYSZLO, Krystyna

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Bydgoszczy Klerownik Zakładu: dr J. Koslowski Adres: Bydgoszcz, Zakład
W Bydgoszczy Klerownik Zakładu: Doskonalenia Lekarsy, ul. Curie-Sklo-
Dermatologii i Wenerologii Studium Doskonalenia Lekarsy, ul. Curie-Sklo-
Bernatologii i Wenerologii Grudium Doskonalenia Lekarsy, ul. Curie-Sklo-
Bernatologii i wenerologii Grudium Doskonalenia Lekarsy, ul. Curie-Sklo-
Bernatologii i Wenerologii Studium Doskonalenia Lekarsy

(BLOOD FROTEINS, in various (is.

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(SKIN DISEASES, blood in

proteins, review (Pol.))
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